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OM protein - protein search, using sw model

Run on: March 17, 2003, 07:21:20 ; Search time 7.10687 Seconds
(without alignments)
78.661 Million cell updates/sec

Title: US-09-787-082-9

Perfect score: 119

Sequence: 1 CCSPVCHLSNLCNNG 19

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA.*

- 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		DB ID	Description
		Match	Length		
1	96	80.7	16	1	US-08-477-383-54 Sequence 54, Appl
2	96	80.7	16	1	US-08-487-174-54 Sequence 54, Appl
3	96	80.7	16	1	US-08-480-750-54 Sequence 54, Appl
4	96	80.7	16	4	US-09-219-446B-2 Sequence 2, Appl
5	96	80.7	17	4	US-09-219-446B-3 Sequence 3, Appl
6	96	80.7	68	1	US-08-137-800-48 Sequence 48, Appl
7	96	80.7	68	1	US-08-477-383-48 Sequence 48, Appl
8	96	80.7	68	1	US-08-487-174-48 Sequence 48, Appl
9	96	80.7	68	1	US-08-480-750-48 Sequence 48, Appl
10	87	73.1	16	1	US-08-137-800-19 Sequence 19, Appl
11	87	73.1	16	1	US-08-477-383-19 Sequence 19, Appl
12	87	73.1	16	1	US-08-487-174-19 Sequence 19, Appl
13	87	73.1	16	1	US-08-480-750-19 Sequence 19, Appl
14	87	73.1	16	5	PCT-US96-07962-10 Sequence 10, Appl
15	76	63.9	16	4	US-09-219-446B-4 Sequence 4, Appl
16	58	48.7	44	4	US-09-488-799-91 Sequence 91, Appl
17	58	48.7	62	4	US-09-488-799-101 Sequence 101, Appl
18	57.5	48.3	320	4	US-09-183-861-22 Sequence 22, Appl
19	57.5	48.3	320	4	US-09-183-861-55 Sequence 55, Appl
20	57.5	48.3	320	4	US-09-022-765-22 Sequence 22, Appl
21	57.5	48.3	320	4	US-09-022-765-55 Sequence 55, Appl
22	57	47.9	16	1	US-08-137-800-15 Sequence 15, Appl
23	57	47.9	16	1	US-08-477-383-15 Sequence 15, Appl
24	57	47.9	16	1	US-08-487-174-15 Sequence 15, Appl
25	57	47.9	16	1	US-08-480-750-15 Sequence 15, Appl
26	57	47.9	18	1	US-08-137-800-32 Sequence 32, Appl
27	57	47.9	18	1	US-08-477-383-32 Sequence 32, Appl

28	57	47.9	18	1	US-08-487-174-32 Sequence 32, Appl
29	57	47.9	18	1	US-08-480-750-32 Sequence 32, Appl
30	57	47.9	62	4	US-09-488-799-89 Sequence 89, Appl
31	54	45.4	19	4	US-09-136-769A-3 Sequence 3, Appl
32	54	45.4	19	4	US-09-136-769A-14 Sequence 14, Appl
33	51	42.9	65	1	US-08-137-800-46 Sequence 46, Appl
34	51	42.9	65	1	US-08-477-383-46 Sequence 46, Appl
35	51	42.9	65	1	US-08-487-174-46 Sequence 46, Appl
36	51	42.9	65	1	US-08-480-750-46 Sequence 46, Appl
37	50	42.0	18	4	US-09-488-799-22 Sequence 22, Appl
38	50	42.0	63	4	US-09-488-799-93 Sequence 93, Appl
39	50	42.0	63	4	US-09-488-799-99 Sequence 99, Appl
40	49	41.2	63	4	US-09-488-799-97 Sequence 97, Appl
41	49	41.2	65	4	US-09-488-799-95 Sequence 95, Appl
42	48	40.3	589	1	US-07-668-648-2 Sequence 2, Appl
43	48	40.3	589	2	US-08-429-998-2 Sequence 2, Appl
44	48	40.3	589	2	US-08-431-333-2 Sequence 2, Appl
45	48	40.3	589	5	PCT-US91-02321-2 Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-477-383-54
; Sequence 54, Application US/08477383
; Patent No. 5589340
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: Macintosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/08/477,383
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137,800
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/084,848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:

;; ORGANISM: Conus magus
;; FEATURE:
;; NAME/KEY: Modified-site
;; LOCATION: 16
;; OTHER INFORMATION: /note= "The C-terminus is
;; OTHER INFORMATION: amidated."
US-08-477-383-54

Query Match 80.7%; Score 96; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.1e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCSPVCHLSNLC 15
Db 2 CCSPVCHLSNLC 16

RESULT 2
US-08-487-174-54
; Sequence 54, Application US/08487174
; Patent No. 5595372
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: Macintosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487.174
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137.800
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/084.848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Innen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus magus
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 16
; OTHER INFORMATION: /note= "The C-terminus is
; OTHER INFORMATION: amidated."

US-08-487-174-54

Query Match 80.7%; Score 96; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.1e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCSPVCHLSNLC 15
Db 2 CCSPVCHLSNLC 16

RESULT 3
US-08-480-750-54
; Sequence 54, Application US/08480750
; Patent No. 5633347
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: Macintosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480.750
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137.800
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/084.848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Innen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus magus
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 16
; OTHER INFORMATION: /note= "The C-terminus is
; OTHER INFORMATION: amidated."
US-08-480-750-54

Query Match 80.7%; Score 96; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.1e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query match 80.1%; SCORE 98; DB 4;
Best Local Similarity 100.0%; Pred. No. 3.3e-06;

NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti
STREET: 1201 New York Avenue, N.W., Suite 1000
CITY: Washington
STATE: DC
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,383
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/137,800
FILING DATE: 19-OCT-1993
APPLICATION DATA:
APPLICATION NUMBER: US 08/084,848
FILING DATE: 29-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24260-107673
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 68 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Conus magus
US-08-477-383-48

Query Match 80.7%; Score 96; DB 1; Length 68;
Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCSNPVCHLEHSLC 15
|||||
DB 50 CCSNPVCHLEHSLC 64

RESULT 8
US-08-487-174-48
Sequence 48, Application US/08487174
Patent No. 5595972
GENERAL INFORMATION:
APPLICANT: Olivera, Baldomero M.
APPLICANT: Cruz, Lourdes J.
APPLICANT: Hillyard, David R.
APPLICANT: Macintosh, J. Michael
APPLICANT: Santos, Ameurfino S.
TITLE OF INVENTION: Conotoxin Peptides
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti
STREET: 1201 New York Avenue, N.W., Suite 1000
CITY: Washington
STATE: DC
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,383
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/137,800
FILING DATE: 19-OCT-1993
APPLICATION DATA:
APPLICATION NUMBER: US 08/084,848

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,174
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/137,800
FILING DATE: 19-OCT-1993
APPLICATION DATA:
APPLICATION NUMBER: US 08/084,848
FILING DATE: 29-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24260-107673
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 68 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Conus magus
US-08-487-174-48

Query Match 80.7%; Score 96; DB 1; Length 68;
Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCSNPVCHLEHSLC 15
|||||
DB 50 CCSNPVCHLEHSLC 64

RESULT 9
US-08-480-750-48
Sequence 48, Application US/08480750
Patent No. 5633347
GENERAL INFORMATION:
APPLICANT: Olivera, Baldomero M.
APPLICANT: Cruz, Lourdes J.
APPLICANT: Hillyard, David R.
APPLICANT: Macintosh, J. Michael
APPLICANT: Santos, Ameurfino S.
TITLE OF INVENTION: Conotoxin Peptides
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti
STREET: 1201 New York Avenue, N.W., Suite 1000
CITY: Washington
STATE: DC
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,750
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/137,800
FILING DATE: 19-OCT-1993
APPLICATION DATA:
APPLICATION NUMBER: US 08/084,848

;; FILING DATE: 29-JUN-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Ihnen, Jeffrey L.
;; REGISTRATION NUMBER: 28,957
;; REFERENCE/DOCKET NUMBER: 24260-107673
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-962-4810
;; TELEFAX: 202-962-8300
;; INFORMATION FOR SEQ ID NO: 48:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 68 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHETICAL: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Conus magus

US-08-480-730-48
Query Match 80.7%; Score 96; DB 1; Length 68;
Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCNPNVCHLEHSNLC 15
Db 50 CCNPNVCHLEHSNLC 64

RESULT 10
US-08-137-800-19
;; Sequence 19, Application US/08137800
;; Patent No. 5514774
;; GENERAL INFORMATION:
;; APPLICANT: Olivera, Baldomero M.
;; APPLICANT: Cruz, Lourdes J.
;; APPLICANT: Hillyard, David R.
;; APPLICANT: McIntosh, J. Michael
;; APPLICANT: Santos, Ameurfino D.
;; TITLE OF INVENTION: Conotoxin Peptides
;; NUMBER OF SEQUENCES: 53
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
;; STREET: 1201 New York Avenue N.W., Suite 1000
;; CITY: Washington
;; STATE: DC
;; ZIP: 20005
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: WordPerfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/137,800
;; FILING DATE: 19-OCT-1993
;; CLASSIFICATION: 530
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Ihnen, Jeffrey L.
;; REGISTRATION NUMBER: 28,957
;; REFERENCE/DOCKET NUMBER: 24260-104763
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-962-4810
;; TELEFAX: 202-962-8300
;; INFORMATION FOR SEQ ID NO: 19:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 16 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Conus magus

;; FEATURE:
;; NAME/KEY: Modified-site
;; LOCATION: 6..7
;; OTHER INFORMATION: /note= "Xaa is Pro or Hydroxy-Pro"
US-08-137-800-19

Query Match 73.1%; Score 87; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.1e-05;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 CCNPNVCHLEHSNLC 15
Db 2 CCNPNVCHLEHSNLC 16

RESULT 11
US-08-477-383-19
;; Sequence 19, Application US/08477383
;; Patent No. 5589340
;; GENERAL INFORMATION:
;; APPLICANT: Olivera, Baldomero M.
;; APPLICANT: Cruz, Lourdes J.
;; APPLICANT: Hillyard, David R.
;; APPLICANT: Macintosh, J. Michael
;; APPLICANT: Santos, Ameurfino S.
;; TITLE OF INVENTION: Conotoxin Peptides
;; NUMBER OF SEQUENCES: 59
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
;; STREET: 1201 New York Avenue, N.W., Suite 1000
;; CITY: Washington
;; STATE: DC
;; COUNTRY: U.S.A.
;; ZIP: 20005
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/477,383
;; FILING DATE: 07-JUN-1995
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/137,800
;; FILING DATE: 19-OCT-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/084,848
;; FILING DATE: 29-JUN-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Ihnen, Jeffrey L.
;; REGISTRATION NUMBER: 28,957
;; REFERENCE/DOCKET NUMBER: 24260-107673
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-962-4810
;; TELEFAX: 202-962-8300
;; INFORMATION FOR SEQ ID NO: 19:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 16 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHETICAL: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Conus magus
;; FEATURE:
;; NAME/KEY: Modified-site
;; LOCATION: 6
;; OTHER INFORMATION: /note= "Xaa is Pro or Hydroxy-Pro."

;; FEATURE:
;; NAME/KEY: Modified-site
;; LOCATION: 16

OTHER INFORMATION: /note= "The C-terminus is
OTHER INFORMATION: preferably amidated."
US-08-477-393-19

Query Match 73.1%; Score 87; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.1e-05;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCNPNVCHLEHSLC 15
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Db 2 CCNPNVCHLEHSLC 16

RESULT 12

US-08-487-174-19
; Sequence 19, Application US/0848174
; Patent No. 5595972
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: Macintosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,174
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137,800
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/084,848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus magus
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 6
; OTHER INFORMATION: /note= "Xaa is Pro or Hydroxy-Pro."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 16
; OTHER INFORMATION: /note= "The C-terminus is
; OTHER INFORMATION: preferably amidated."

US-08-487-174-19

Query Match 73.1%; Score 87; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.1e-05;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCNPNVCHLEHSLC 15
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Db 2 CCNPNVCHLEHSLC 16

RESULT 13

US-08-480-750-19
; Sequence 19, Application US/08480750
; Patent No. 5633347
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: Macintosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,750
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137,800
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/084,848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus magus
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 6
; OTHER INFORMATION: /note= "Xaa is Pro or Hydroxy-Pro."
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 16
; OTHER INFORMATION: /note= "The C-terminus is
; OTHER INFORMATION: preferably amidated."

US-08-480-750-19

Query Match 73.1%; Score 87; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.1e-05;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCSNPVCHLEHSLC 15
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Db 2 CCSNVCHLEHSLC 16

RESULT 14

PCT-US96-07962-10

; Sequence 10, Application PC/TUS9607962

; GENERAL INFORMATION:

; APPLICANT: University of Utah Research Foundation

; TITLE OF INVENTION: Use of Conotoxin Peptides U002 and MII

; TITLE OF INVENTION: for Treating or Detecting Small-Cell Lung Carcinoma

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Venable, Baetjer, Howard & Civiletti

; STREET: 1201 New York Avenue, N.W., Suite 1000

; CITY: Washington

; STATE: DC

; COUNTRY: U.S.A.

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: MS-WINDOWS

; SOFTWARE: Word 6.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: PCT/US96/07962

; FILING DATE: 04-JUN-1996

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/487,174

; FILING DATE: 07-JUN-1995

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-962-4810

; TELEFAX: 202-962-8300

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 16 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; HYPOTHETICAL: NO

; ORIGINAL SOURCE:

; ORGANISM: Conus magus

; FEATURE:

; NAME/KEY: Modified-site

; LOCATION: 6

; OTHER INFORMATION: /note= "Xaa is Pro or Hydroxy-Pro."

; FEATURE:

; NAME/KEY: Modified-site

; LOCATION: 16

; OTHER INFORMATION: /note= "the C-terminus is

; OTHER INFORMATION: preferably amidated."

; PCT-US96-07962-10

Query Match

73.1%; Score 87; DB 5; Length 16;

Best Local Similarity 93.3%; Pred. No. 4.1e-05;

Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCSNPVCHLEHSLC 15

|||||

Db 2 CCSNVCHLEHSLC 16

RESULT 15

US-09-219-446B-4

; Sequence 4, Application US/09219446B

; Patent No. 6265541

; GENERAL INFORMATION:

; APPLICANT: Oliviera, Baldomero M.

; APPLICANT: McIntosh, J. Michael

; APPLICANT: Yoshikami, Doju

; APPLICANT: Cartier, G. Edward

; APPLICANT: Luo, Siqin

; APPLICANT: University of Utah Research Foundation

; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides

; FILE REFERENCE: Uses of Alpha-Conotoxins

; CURRENT APPLICATION NUMBER: US/09/219,446B

; CURRENT FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: US 60/080,588

; PRIOR FILING DATE: 1998-04-03

; PRIOR APPLICATION NUMBER: US 60/070,153

; PRIOR FILING DATE: 1997-12-31

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: PatentIn ver. 2.0

; SEQ ID NO 4

; LENGTH: 16

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:FAT derivative

; OTHER INFORMATION: of C. magus MII

; US-09-219-446B-4

Query Match

63.9%; Score 76; DB 4; Length 16;

Best Local Similarity 80.0%; Pred. No. 0.00096;

Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCSNPVCHLEHSLC 15

|||||

Db 2 CCSNPVCFATHSLC 16

Search completed: March 17, 2003, 07:28:22

Job time : 7.10687 secs

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